



# CRUISER CONVERSION



CG  
Conversion  
Brief to  
Industry

Nov 22, 2002

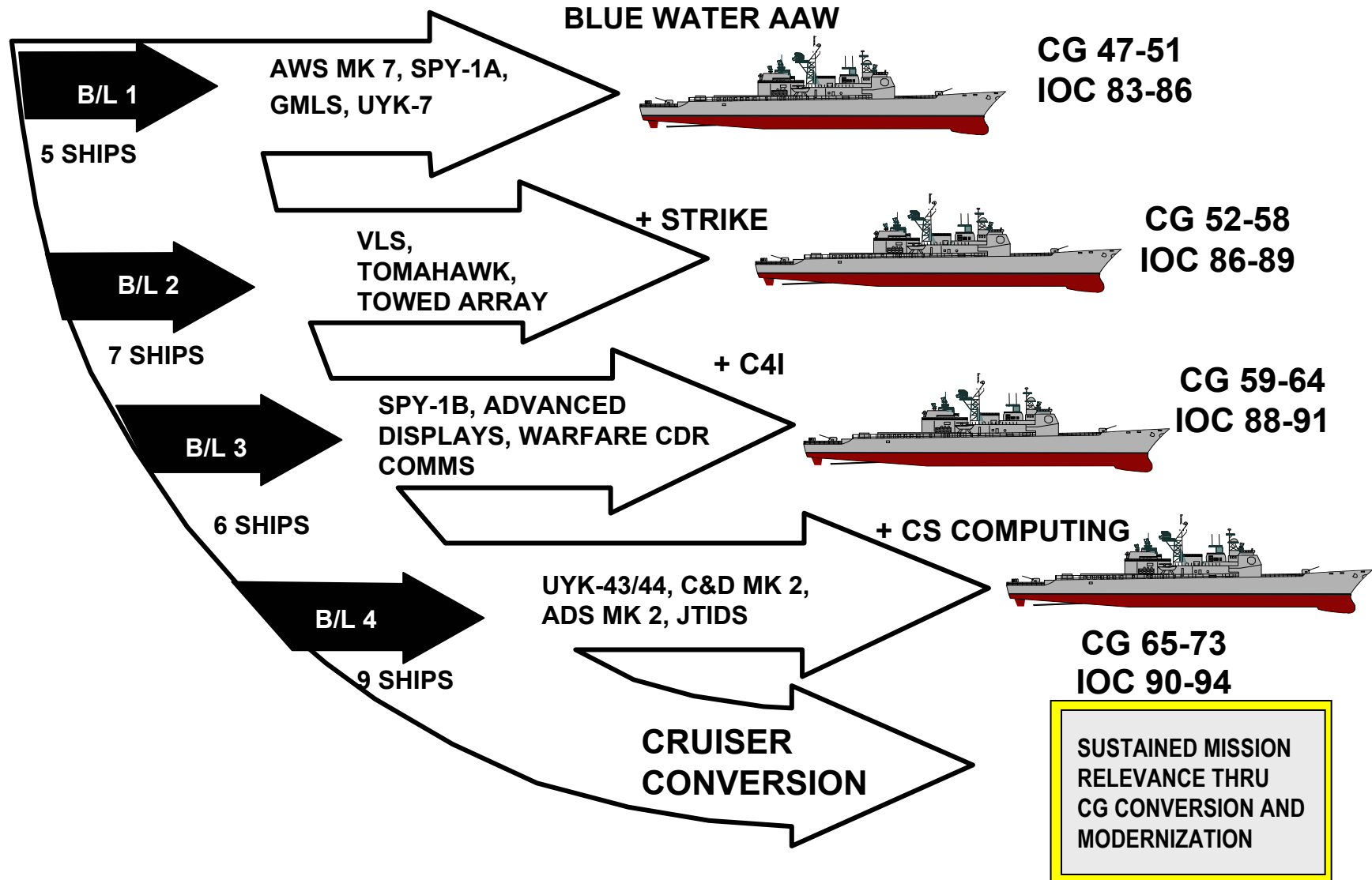
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# Purpose

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- Respond to Fleet/Industry requests for information
- Provide information available
- Information is not yet available
  - Contracting method
  - Acquisition strategy
  - Proposed budget
- Promulgate Industry Brief plan

# AEGIS Cruiser Evolution



# PB03 Cruiser Conversion Program Snapshot

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- 27 AEGIS Cruisers planned
- Baseline 4 & 1 ships in the FYDP - 11 ships total
- SCN Funds
- 52 - 58 week availability
- First ship: Baseline 4
- First ship designation: CG 71 (Subject to change)
- First installation: Begin in FY06 / Complete in FY07

**Under Review:  
SUBJECT TO CHANGE**

# Cruiser Conversion Requirement

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- Air Dominance
- Naval Fires Upgrades
- Maritime Force Protection
- USW Upgrades
- Service Life Extension Upgrades

**SEA SHIELD – Exploiting global sea control to defeat area denial threats including aircraft, missiles, small littoral surface combatants, mines, and submarines**

# Cruiser Conversion Description

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- **Combat System Upgrades and Improvements:**
  - Air Dominance – AADC, ESSM, CEC, SPY and AEGIS Weapon System Improvements including processors and Q-70 Consoles.
  - Naval Fires Upgrades - Includes 5"/62 Gun, ERGM Magazine Mods, and MK160 Fire Control System Upgrade
  - Maritime Force Protection - CIWS BLK IB, TISS, NULKA, SPQ-9B (ASMD) and SEWIP
  - USW Upgrades – SQQ-89A(V)15 with MFTA
- **Service Life Extension work - Smart Ship Upgrades, All Electric Alterations, Weight and Moment Adjustments, Distributive System Improvements**

# Cruiser Conversion

## Notional Warfighting Upgrades

### BMC4I

CEC 2.0/2.1  
AADC  
INMARSAT B  
EHF MDR  
SHF SATCOM  
WSN-7  
CDLMS  
SGS A/C  
IT-21 ATM LAN  
GCCS-M  
VIXS  
VDDS

### LAND ATTACK

2-5"/62 Guns w/ERGM  
MK-160 GCS  
OSS  
TTWCS  
NFCS

### AIR DOMINANCE

7 PH 1C computer program  
COTS computing plant  
Radar and Display upgrades  
SPY-1D(V) SIGPRO (SPY -1A)  
SM-2 BLK II/III/IIIB/IV  
NAVSSI BLK III/IV  
BFTT

### FORCE PROTECTION

ESSM  
SPS-49 MPU  
CIWS BLK 1B  
NULKA  
TISS  
SEWIP  
SPQ-9B (ASMD)  
SARTIS  
SQQ-89A(V)15 (B/L 3 & 4)

### SERVICE LIFE

All Electric Mods  
Smart Ship Upgrades  
HM&E upgrades  
TYCOM Maintenance

# PB03 Cruiser Conversion Fielding Profile

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## Year of Installation

<u>27 Cruisers</u>	<u>FY05</u>	<u>FY06</u>	<u>FY07</u>	<u>FY08</u>	<u>FY09</u>	<u>FY10</u>	<u>FY11</u>
Baseline 4		1	1	1	3		
Baseline 1			1	3	1		
Baseline 3			NOT IN FYDP				
Baseline 2			NOT IN FYDP				
Total		1	2	4	4		

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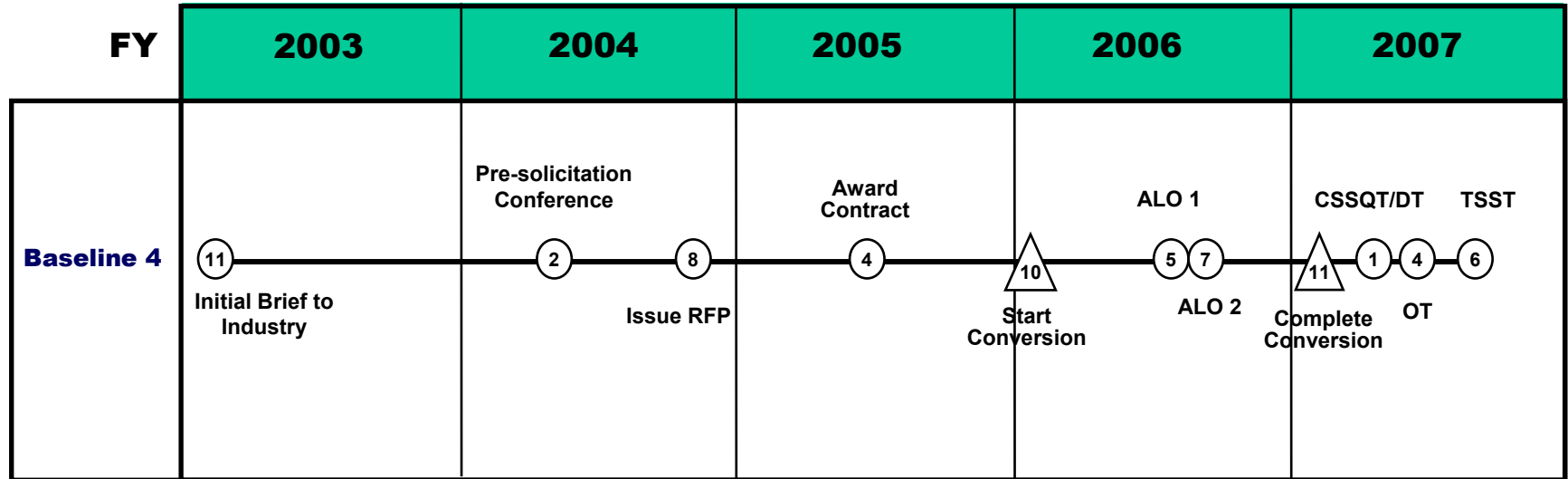


# Laws and Navy Policies

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- **CONGRESSIONAL LANGUAGE:** FY98 Conference Report on DOD Appropriations Act: Cruiser Conversion will be competed between U.S. yards in accordance with current homeport policy.
- **HOMEPORT POLICY:**
  - SECNAV Policy implementing homeport statute: Competition for availabilities lasting more than six months is coast-wide unless ASN (RD&A) determines that competition is infeasible or “special conditions” exist (e.g., 3 homeport reassignments in 2 years).
  - OPNAV Policy: CNO will reassign homeports and permanent duty stations for availabilities over 9 months.
- **FORESEEABLE COSTS POLICY:**
  - NAVSEA Policy: Foreseeable costs under a competition include certain fuel costs, towing and pilot charges, escort ship charges, TYCOM and ship’s force travel, but do not include cost of moving crew and family.

# Notional CG Conversion Milestones



- First conversion tentatively planned for early FY06
- Expect to issue RFP 14 months prior to start of availability
- Expect to award contract 6 months prior to start of availability

# Crew Employment

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- Investigating options that include:
  - Decrew
  - Partial Decrew
  - Crew Swap
  - Partial Crew Swap
  - Retain Crew
  - Rotate Crews
  - Sea Swap

# CG Conversion Challenges

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- **SCN funds** - all work performed during Conversion period must be accomplished using SCN funds
- **Workload vs. Schedule** - ambitious work package
- **Installation testing** - expect approximately 26 weeks for availability testing

Must ensure these valuable assets are returned “mission ready” to the Fleet as quickly as possible

# CG Conversion Availability Management Emphasis

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- A-6 Award will enable timely coordination with executing shipyard to facilitate open communication, decision making and planning/integration of the work package
  - HM&E and Combat System Alts
  - Integration of Production work and testing schedule
  - Organizational relationships

# CG Conversion Points of Contact

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Briefings will be posted at  
[www.contracts.hq.navsea.navy.mil](http://www.contracts.hq.navsea.navy.mil)

Address all future questions via e-mail to  
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